**Listening Worksheet - Upgrade 1 - Unit 4 – FILL IN THE GAPS**

**A** And now it's time for us to enter the Learning zone and bring in our resident Professor of Everything Sue Hunt. Hi Sue.

**S** Hi Andy, (01) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?

**A** I'm good thanks. And what am I going to learn about today Sue?

Well, let me start with (02) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, are you ready?

**A** No, but (03) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**S** OK, what is the unit we use to (04) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ sound?

**A** What is the ... what ... ?

**S** OK, we can measure sound, right? But we don't measure it in metres or kilograms, we measure it in ...

**A** Ah, ok, that's ... er ... (05) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?

**S** Correct! (06) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. And what is the maximum number of decibels (07) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?

**A** I have absolutely no idea! A hundred decibels?

**S** Wrong! It's 85, about the same as an alarm clock.

**A** Hhm ...

**S** OK, listen to this. The sound of that (08) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is 90 decibels.

**A** OK, so why do I need to know this?

**S** Well, I (09) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_know that you went to a gig last night, right?

**A** Yup!

**S** And you (10) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_heard sounds like this . .. The sound of that rock guitar is around 120 decibels. (11) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?

**A**  (12) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**!** Yes. So, can sound cause (13) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?

**S** Well, it could ... but it (14) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ how frequently you hear it. Going to a gig  (15) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_shouldn't damage your hearing ... but what I've actually come to tell you about today is how some people are using sounds like that (16) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_other people.

**A** OK Sue, tell me more. I think I need to know this ...

**S** Well, some American companies are investigating how to use sound as (17) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**A** You're joking! They want to use music (18) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_people? How?

**S** An American company has invented an acoustic weapon that can shoot a sound at around 151 decibels at people.

**A** And what does it do?

**S** The makers say that it (19) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and makes them disorientated. They also say that it's easy to use. It works with any MP3 player apparently, and rap music works best.

**A** Really? Where did they get an idea like that from?

**S** Well, apparently (20) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_have used extremely loud pop and heavy-metal music – at more than 150 decibels - to disorient and confuse prisoners for some time.

**A** What?!

**S** Yes. Reporters from the BBC and other news channels say that interrogators have used the music of Cristina Aguilera and Metallica (21) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_prisoners.

**A** Sue! Tell me something positive, please!

**S** OK, another American, the (22) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Oliver Sachs, has written a book about the (23) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ use of music for people with brain injuries.

**A**  (24) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ So music can also help brain recovery?

**S** Yes. Sachs says that he has observed how music helps patients with memory problems remember again. He also says that he has (25) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_with coordination problems start to dance when they hear music!

**A** Wow. How does that work?

**S** Sachs is not absolutely sure how it works but he thinks that it must have something to do with the fact that we \_ (26) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_music in different areas of the brain. That means that if an area is (27) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ... music can help the' other areas to compensate.

**A** What kind of music has Sachs used?

**S** Well, (28) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ classical music. Apparently, the very structured nature of classical music helps the brain (29) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ itself after an injury.

**A** Sue, I'm (30) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ You always bring something surprising and new to the programme. Thank you.

**Listening Worksheet - Upgrade 1 - Unit 4**

**Correct the following information:**

1.- We measure sound in decibels and/or metres.

2.- The maximum number of decibels that is safe for us to listen to is 100, the same as a car?

3.- The sound of a rock guitar is 102 decibels?

4.- A Russian company has invented an electric weapon that can shoot a sound at around 115 decibels at people .

5.- This weapon makes people feel sick.

6.- Military interrogators have used moderately loud rock music.

7.- The psychologist Oliver Sachs has written a book about the therapeutic use of music for women with ear injuries.

8.- Sachs says that he has observed how water helps patients with heart problems remember again.

9.- Patients with ear problems start to walk when they hear music!

10.- It’s absolutely clear that the very structured nature of pop music helps the brain reorganize itself before an injury.